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Abbreviated List of Publications and Guideline Documents Dealing with Monitoring Quality Assurance

Environmental Protection Agency

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In response to the Environmental Protection Agency's (EPA) environmental monitoring needs, the Agency's quality assurance program, within the Office of Research and Development, has assembled an abbreviated list of some of the more important documents that deal with monitoring quality assurance. Although this list covers all media, it is by no means exhaustive. It does, however, include many of the more popular documents that have been prepared by various components of EPA. Included, also, are some of the more relevant documents scheduled for future publication by EPA's quality assurance program.

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ABBREVIATED LIST OF PUBLICATIONS AND GUIDELINE DOCUMENTS DEALING WITH MONITORING QUALITY ASSURANCE

January 1974

QUALITY ASSURANCE DIVISION
OFFICE OF MONITORING SYSTEMS

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INTRODUCTION

In response to the Environmental Protection Agency's (EPA) environmental monitoring needs, the Agency's quality assurance program, within the Office of Research and Development, has assembled an abbreviated list of some of the more important documents that deal with monitoring quality assurance. Although this list covers all media, it is by no means exhaustive. Many other useful documents exist and are commonly available. This list does, however, include many of the more popular documents that have been prepared by various components of EPA. Included, also, are some of the more relevant documents scheduled for future publication by EPA's quality assurance program.

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I. WATER

A. Existing Publications

1. Guidelines Establishing Test Procedures for Analysis of Pollutants, 40 CFR Part 136. U.S. Environmental Protection Agency, Quality Assurance Division, Washington, DC. Federal Register, Part II, Volume 38, Number 199. pp. 28758-28760. October 16, 1973.

2. Handbook for Monitoring Industrial Wastewater. U.S. Environmental Protection Agency, Technology Transfer, Washington, DC. Prepared by Associated Water and Air Resources Engineers, Inc., Nashville, Tennessee. August 1973.

3. Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents. U.S. Environmental Protection Agency, Methods Development and Quality Assurance Research Laboratory, National Environmental Research Center, Cincinnati, Ohio. Report No. EPA-670/4-73-001. July 1973.

4. Proceedings of the First Microbiology Seminar on Standardization of Methods. U.S. Environmental Protection Agency, Quality Assurance Division, Washington, DC. Report No. EPA-R4-73-022. March 1973.

5. Handbook for Analytical Quality Control in Water and Wastewater Laboratories. U.S. Environmental Protection Agency, Methods Development and Quality Assurance Research Laboratory, National Environmental Research Center, Cincinnati, Ohio. June 1972.

6. Methods for Chemical Analysis of Water and Wastes. U.S. Environmental Protection Agency, Methods Development and Quality Assurance Research Laboratory, National Environmental Research Center, Cincinnati, Ohio. 1971.

I. WATER (Continued)

B. Proposed Future Publications

1. Ocean Disposal Permit Program Analytical Methods Manual (includes methods for processing sludge and sediments). Scheduled for April 1974.

2. Microbiological Methods Manual for Measuring the Quality of Surface Waters and Effluents. Scheduled for July 1974.

3. An Interim Handbook for Sampling Water and Waste. Scheduled for December 1974.

4. Inspection Procedures for Evaluating Environmental Monitoring Laboratories-Water. Scheduled for December 1974.

5. Methods for Chemical Analysis of Water and Wastes (Revision of 1971 Edition). Scheduled for December 1974.

II. AIR

A. Existing Publications

1. Guidelines for Development of a Quality Assurance Program--Reference Method for Continuous Measurement of Carbon Monoxide in the Atmosphere. U.S. Environmental Protection Agency, Ouality Assurance and Environmental Monitoring Laboratory, National Environmental Research Center, Research Triangle Park, North Carolina. Prepared by Research Triangle Institute, Research Triangle Park, North Carolina. Contract No. 68-02-0598. Report No. EPA-R4-73-028a; NTIS-PB-222512. June 1973.

2. Guidelines for Development of a Quality Assurance Program--Reference Method for the Determination of Suspended Particulates in the Atmosphere (High-Volume Method). U.S. Environmental Protection Agency, Quality Assurance and Environmental Monitoring Laboratory, National Environmental Research Center, Research Triangle Park, North Carolina. Prepared by Research Triangle Institute, Research Triangle Park, North Carolina. Contract No. 68-02-0598. Report No. EPA-R4-73-028b; NTIS-PB-223051. June 1973.

3. Guidelines for Development of a Quality Assurance Program--Reference Method for the Measurement of Photochemical Oxidants. U.S. Environmental Protection Agency, Quality Assurance and Environmental Monitoring Laboratory, National Environmental Research Center, Research Triangle Park, North Carolina. Prepared by Research Triangle Institute, Research Triangle Park, North Carolina. Contract No. 68-02-0598. Report No. EPA-R4-73-028c; NTIS-PB-222336. June 1973.

II. AIR (Continued)

4. Guidelines for Development of a Quality Assurance Program--Reference Method for Determination of Sulfur Dioxide in the Atmosphere. U.S. Environmental Protection Agency, Quality Assurance and Environmental Monitoring Laboratory, National Environmental Research Center, Research Triangle Park, North Carolina. Prepared by Research Triangle Institute, Research Triangle Park, North Carolina. Contract No. 68-02-0598. Report No. EPA-R4-73-028d. August 1973.

5. Quality Control Practices in Processing Air Pollution Samples. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, National Environmental Research Center, Research Triangle Park, North Carolina. Prepared by PEDCo-Environmental Specialists, Inc., Cincinnati, Ohio. Contract No. 68-02-0211. Publication No. APTD-1132. March 1973.

6. National Emission Standards for Hazardous Air Pollutants-Asbestos, Beryllium, and Mercury, 40 CFR Part 61. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, National Environmental Research Center, Research Triangle Park, North Carolina. Federal Register, Part II, Volume 38, Number 66. pp. 8820-8850. April 6, 1973.

7. Standards of Performance for New Stationary Sources, 40 CFR Part 60. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, National Environmental Research Center, Research Triangle Park, North Carolina. Federal Register, Part II, Volume 36, Number 247. pp. 24876-24895. December 23, 1971.

II. AIR (Continued)

8. National Primary and Secondary Ambient Air Quality Standards, 42 CFR Part 410. U.S. Environmental Protection Agency, Quality Assurance and Environmental Monitoring Laboratory, National Environmental Research Center, Research Triangle Park, North Carolina. Federal Register, Part II, Volume 36, Number 84. pp. 8186-8201. April 30, 1971.

B. Proposed Future Publications

1. Quality Control Handbook-Ambient Air Measurements. Scheduled for June 1974.

2. Guidelines for Development of a Quality Assurance Program--Reference Method for Nitrogen Dioxide. Scheduled for July 1974.

3. Guidelines for Development of a Quality Assurance Program--Reference Method for "Category I" Stationary Source Measurements. Scheduled for June 1974.

4. Guidelines for Determining Performance Characteristics of Automated Methods for Measuring Nitrogen Dioxide and Hydrocarbons, Corrected for Methane, in Ambient Air. Scheduled for January 1974.

5. Ambient Air Monitoring Equivalent and Reference Methods, 40 CFR Part 50, 51. U.S. Environmental Protection Agency, Quality Assurance and Environmental Monitoring Laboratory, National Environmental Research Center, Research Triangle Park, North Carolina. Federal Register, Part II, Volume 38, Number 197. pp. 28438-28448. October 12, 1973. To be promulgated in 1974.

6. Inspection Procedures for Evaluating Environmental Monitoring Laboratories-Air. Scheduled for December 1974.

III. RADIATION

A. Existing Publications

1. Environmental Radioactivity Surveillance Guide. U.S. Environmental Protection Agency, National Technical Information Service, Springfield, Virginia. Report No. ORP/SID72-2. June 1972.

2. Krieger, H. L. and S. Gold. Radiochemical Procedures for the Analysis of Nuclear Reactor Aqueous Solutions. U.S. Environmental Protection Agency, Methods Development and Quality Assurance Research Laboratory, National Environmental Research Center, Cincinnati, Ohio. August 1971.

3. Lem, P. M. and R. Snelling. Southwestern Radiological Health Laboratory Data Analysis and Procedures Manual. U.S. Department of Health, Education and Welfare, Southwestern Radiological Health Laboratory, Las Vegas, Nevada. March 1971.

4. Johns, P. B. Southwestern Radiological Health Laboratory Handbook of Radiochemical Analytical Methods. U.S. Department of Health, Education and Welfare, Southwestern Radiological Health Laboratory, Las Vegas, Nevada. PHS Publication No. SWRHL-11. 1970.

5. Porter, C. R., R. J. Augustine, J. M. Matusek, and M. W. Carter. Procedures for Determination of Stable Elements and Radionuclides in Environmental Samples. Public Health Service, Bureau of Radiological Health, Rockville, Maryland. PHS Publication No. 999-RH-10. January 1965.

III. RADIATION (Continued)

B. Proposed Future Publications

1. Environmental Radioactivity Laboratory Intercomparison Studies Program 1973-1974. U.S. Environmental Protection Agency, Technical Support Laboratory, Quality Assurance Branch, National Environmental Research Center, Las Vegas, Nevada. Scheduled for February 1974.

2. Radioactivity Standards Distribution Program. U.S. Environmental Protection Agency, Technical Support Laboratory, Quality Assurance Branch, National Environmental Research Center, Las Vegas, Nevada. Scheduled for February 1974.

3. Radiation Quality Assurance Handbook. U.S. Environmental Protection Agency, Technical Support Laboratory, Quality Assurance Branch, National Environmental Research Center, Las Vegas, Nevada. Scheduled for May 1974.

IV. PESTICIDES

A. Existing Publications

1. Pesticide Analytical Manual, Volume I and II-Methods which Detect Multiple Residues. U.S. Department of Health, Education and Welfare, Food and Drug Administration, Washington, DC. September 1972.

2. Analysis of Pesticide Residues in Human and Environmental Samples. U.S. Environmental Protection Agency, Pesticides and Toxic Substances Effects Laboratory, National Environmental Research Center, Research Triangle Park, North Carolina. November 1973.

B. Proposed Future Publications

1. Pesticide Reference Standards and Supplemental Data. U.S. Environmental Protection Agency, Pesticides and Toxic Substances Effects Laboratory, National Environmental Research Center, Research Triangle Park, North Carolina. Scheduled for June 1974.

2. Handbook for Analytical Quality Control in Pesticide Residue Laboratories. U.S. Environmental Protection Agency, Pesticides and Toxic Substances Effects Laboratory, National Environmental Research Center, Research Triangle Park, North Carolina. Scheduled for December 1974.

V. GENERAL

A. Existing Publications

1. Compendium of Analytical Methods, Volume I: Matrix of Methods. U.S. Environmental Protection Agency, Office of Monitoring Systems, Quality Assurance Division, Washington, DC. Prepared by the MITRE Corporation, McLean, Virginia. Report No. EPA-R4-73-027. April 1973.

2. Compendium of Analytical Methods, Volume II: Method Summaries. U.S. Environmental Protection Agency, Office of Monitoring Systems, Quality Assurance Division, Washington, DC. Prepared by the MITRE Corporation, McLean, Virginia. Report No. EPA-R4-73-027. April 1973.

3. Development of Agency-wide Quality Control Program. U.S. Environmental Protection Agency, Office of Monitoring Systems, Quality Assurance Division, Washington, DC. February 1973.

B. Proposed Future Publications

1. A Model Certification System for Environmental Monitoring Laboratories. Scheduled for January 1975.

2. Implementation of an Automated Management System for Environmental Monitoring Laboratories: A Case Study. Scheduled for July 1974.